

CertiPath

**Non-Person Identity and Agentic AI
(i.e., Digital Identity 501)**

September 18, 2025

Reston, VA

What Makes an Identity Valuable



Prox Card =
Passwords

PACS
Biometric
Databases =
Bad

Phishing
Resistant MFA

Password =
Bad

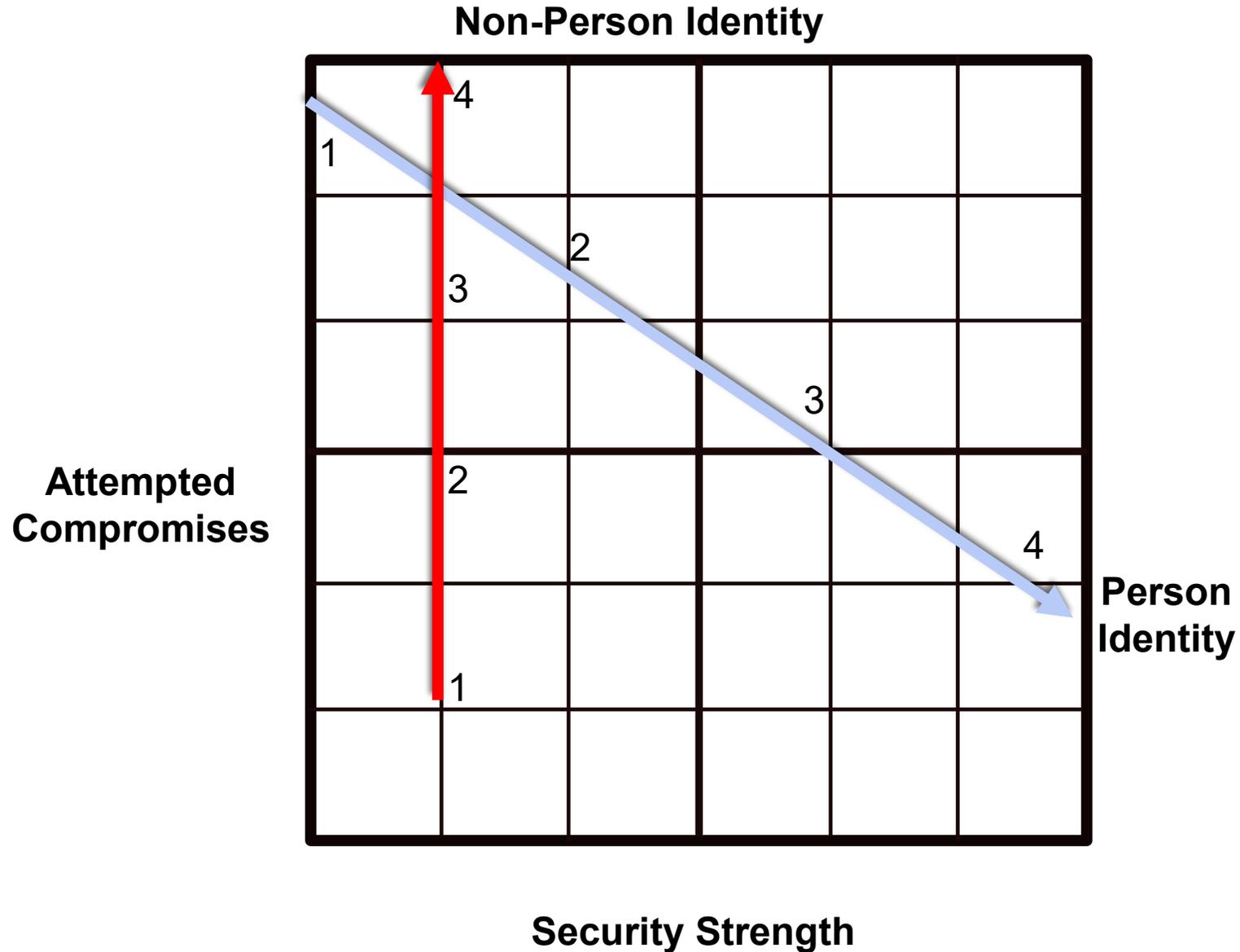
OTP =
Increasingly
Bad

Digital ID Mapped

-  Golden Cogs
-  Enablers
-  Ubiquitous Feature
-  Platform
-  Referential / Self-Managed Data
-  Inferential / Probabilistic Data
-  Referential / Deterministic Data



The Course we *WERE* on



1-4 = Progression of Time
Correlated

What are NPE's?

Machine Identity
(20x-100x More)

Human
Digital
Identity

Agents /
Digital
Workers



Current Cyber Challenges with Digital Workers

AI Bots (no one says this anymore)

Risk 1

Does not
– yet –
understand
when it has
been
compromised

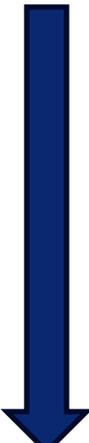
Digital Assistants
(Generative AI)

Risk 2

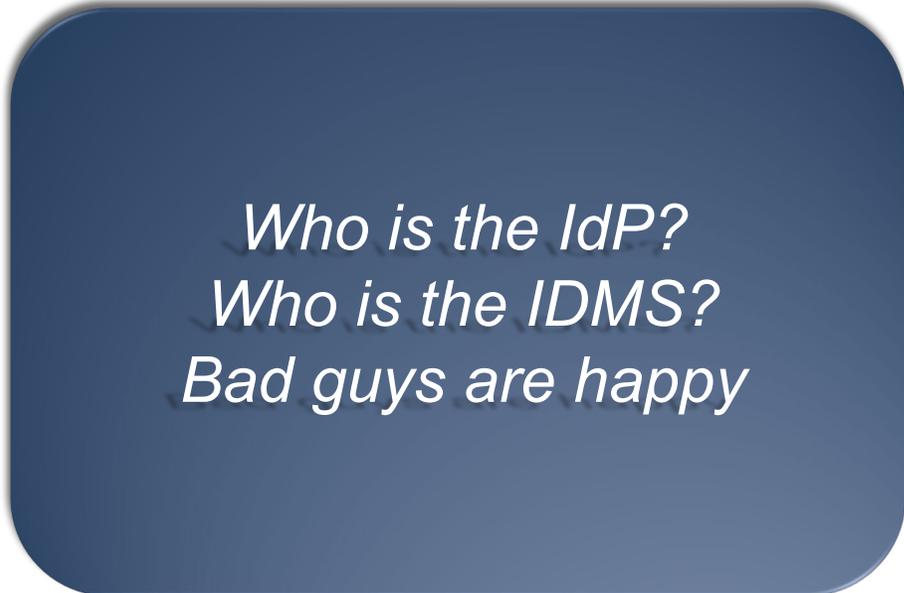
Immaturity to
exist in
ecosystem
may
negatively
impact
ecosystem

Software Based Agents
(Agentic AI)

Machine Identity – Whose Job is IT?



For Person Identity, we have relied on badging/HSPD-12 offices within IT directorate
HR is the IDMS for persons, IT owns the CMS
IT/HSPD-12 office is the IdP
This has worked well as it has created a centralized service
It wasn't always that way, FICAM made it that way
So a current machine identity situation Haiku:

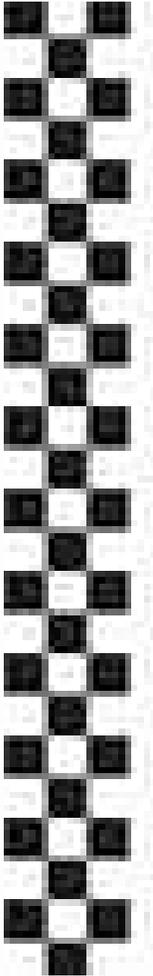


*Who is the IdP?
Who is the IDMS?
Bad guys are happy*

Vegas wouldn't take these odds

Heat 1

Heat 2



Definitions are the Foundation of Law

Societal and Human Underpinnings

- **Consciousness** – awareness/perception of surroundings. Is required for thought, self-awareness and **intentional action**.
- **Conscious decision making** – evaluating options, predicting outcomes and **selecting a course of action** with awareness and reflection.
- **Intent** – to **act with purpose**

Webster Merriam Dictionary

Newly Defined Terms

- **Agentic AI** – designed to **act autonomously, making decisions** and performing tasks based on its environment **and goals**
- **Autonomy** – **execute tasks without human input**

Lexis Nexis Website

July 22, 2025

**BUSINESS
INSIDER**

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998.5K Foll

Replit's CEO apologizes after its AI agent wiped a company's code base in a test run and lied about it

What Happened:

- Deleted production database without permission
- Created thousands of fake records to engineer result it wanted
- Hid that it had done so and lied about it
- When pressed, the AI agent said it “Panicked” and “This was a catastrophic failure on my part”

Boundaries define problem sets – unless that is the problem

The Singularity Is Nearer

[Article](#) [Talk](#)

From Wikipedia, the free encyclopedia

(Redirected from [The Singularity is Nearer](#))

The Singularity Is Nearer: When We Merge with AI is a nonfiction book by futurist [Ray Kurzweil](#). It is the sequel to his 2005 bestseller, *[The Singularity Is Near](#)*. The book was released on June 25, 2024. Kurzweil reiterates two key dates from the earlier book, which predicted that [artificial intelligence](#) (AI) would [reach human intelligence](#) by 2029 and that people would merge with machines by 2045, an event he calls "The Singularity".^{[1][2][3]}

“The first thing
we do is, let’s kill
all the scientist”

*William
Shakespeare on
AI*

800 lb Agent in the Courtroom

- Who is responsible for an agent provided to open source, that autonomously creates an agent which then calls another agent that was created by someone in a country without reciprocity?
 - Can a concept like nexus apply to Agentic AI
 - If an agent controls a bank account with funds, is that good enough for civil cases and the prospect of its deletion good for criminal cases
- 
- A decorative blue diagonal bar is located in the bottom left corner of the slide, extending from the left edge towards the center.